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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

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COUNTRY

East Germany

DATE DISTR. 15 October 1954

SUBJECT

Development of Meddo Equipment at
Funkwerke Dresden and Koepenick

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THIS IS UNEVALUATED INFORMATION

1. In April and early May 1954, a Meddo (Meddo - German name for navigational and bombing radar) set was being tested on the tower of the Koepenick radio engineering plant. The final tests for the set were scheduled to be made aboard SS STRALSUND. The ship had already been fitted with the cables required for the Meddo equipment. Work on the construction of the set was to be completed by 30 June and the maiden trip of the STRALSUND had been fixed for 15 July. It appeared improbable that this date would be kept.

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2. Information obtained from engineers of the radio engineering plant in Dresden indicated that work on the construction of a Meddo equipment developed by Ing. Winkler at this plant was behind schedule. This delay was allegedly caused by the lack of technical literature. At Koepenick, it was expected that the efforts of building a Meddo set in Dresden would be given up since the Meddo equipment under development at the Koepenick plant was nearing completion.

3. Image tubes were furnished in adequate quantities to the Koepenick radio engineering plant by the Werk fuer Fernmeldewesen HF, Berlin-Oberschoeneweide. Image tubes emitting blue light and a yellow afterglow were recently tested.

4. In early May 1954, efforts were made to improve the pulse width from 0.5 microseconds to at least 0.1 microseconds. The only problem still to be solved apparently was the difficulty of developing an intermediate-frequency amplifier with a sufficient band width. Work on a further improvement of the arrangement of the impulse unit and of the transmitting and receiving sections was also under way at the laboratory of the radio engineering plant. It was expected that this work would lead to a considerable improvement of the set and to a reduction of its size. The equipment would probably be more efficient than the Meddo set built under license by the Telefunken firm in West Germany. It appeared possible that all East German scientists engaged in the development of radar sets would be amalgamated into one group. This reorganization would involve the groups headed by Dipl. Ing. Ebert at Koepenick, Ing. Winkler at Dresden, and Dr. Huettel at Leipzig.

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